सत्यमेव जयते

भारत सरकार
Government of India
विद्युत मंत्रालय
Ministry of Power
केन्द्रीय विद्युत प्राधिकरण
Central Electricity Authority
विद्युत प्रणाली संचार विकास प्रभाग
Power System Communication Development Division
****

On behalf of
Central Level Power & Telecommunication Co-ordination Committee

No: As assigned **Date:** As assigned

CEA Case No.: AND-803-F1

Provisional Certificate of Approval for the Route of Extra High Tension (EHT) Power Line / Telecommunication Line

Provisional approval of the Central Level Power & Telecommunication Co-ordination Committee is hereby conveyed for **60 days** from the date of signing to the route of **33 KV XLPE, AL Ar UG cable (3CX300 Sq.mm) from the proposed 33/220 KV Pooling Substation of 300 MW Solar Power Project of M/s. SAEL Solar MHP1 Private Limited, Village T Koduru, Sirigepalle, to Proposed Solar FD#01 comprising of 2 X 0.66/33 kV,13.2 MVA Inverter Duty Transformers of (ICR 22 ,23) located at 300 MW Solar Power Project of M/s. SAEL Solar MHP1 Private Limited, Village T Koduru, Sirigepalle Andhra Pradesh (Length: 3.74 kms)** particulars of which are given in Annexure I.

The approval is for the route only and is subject to the following conditions.

1. The approval is based on the Power system/ Telecom system conditions' details as reported by the Power supply authority/ Telecom authority at present. Any changes either to Transmission line or the Power system or the paralleling telecommunication lines which are likely to alter the low frequency induction from the estimated at present should be reported to PTCC for its prior approval.
2. The Power and Telecommunication authorities shall be required to adopt such measures as may be recommended by PTCC for counteracting any interference that might arise when the EHT line is in normal operation.
3. Each crossing should satisfy the conditions as laid down in Para 6 -10 of PTCC Code of Practice for crossings.
4. The angle of crossing shall be 90 degrees but in no case less than 60 degrees.
5. The power line shall be equipped with protective switchgear such that the duration of earth current shall be as short as possible but never exceeding 0.5 seconds.

6. The power line shall be energized within a mutually acceptable time limit after obtaining a Certificate from the concerned Telecom and/or Railway authority regarding completion of provision of all protective measures as recommended by PTCC and also under specific clearance from the Telecom and/or Railway authority maintaining the Telecom system.
7. The energization of Extra High Tension power lines would not be held up for want of installation of GD tubes on telecom lines when the induced voltages are in the range of 430 to 650 V.
8. The telecom line shall be commissioned within a mutually acceptable time after completing provision of all protective measures as recommended by PTCC and also after obtaining specific clearance from the Power authority, if certain measures as recommended by PTCC are to be carried out on power system.
9. The later entrant in the field shall bear the entire cost of providing GD tubes and their fitting as recommended by PTCC, including 15% spares and/or any other protective measures as recommended by PTCC.
10. The route approval shall be subject to special conditions as laid down under Annexure II.

Signed by Suman Kumar Maharana
Date: 09-09-2025 22:27:23
Chief Engineer

1.	M/s SAEL Solar MHP1 Private Limited	3rd Floor, Worldmark-1, Aerocity, New Delhi – 110 037

Annexure I

1		
(a)	Name of the Power Supply authority seeking approval	M/s SAEL Solar MHP1 Private Limited
(b)	Reference number & date:	SAEL/PTCC/MHP-1/TL/33KV/300MW/FD#1toFD#17/08/25 E-mail dated 09.09.2025
(c)	Name of the Power line	33 KV XLPE, AL Ar UG cable (3CX300 Sq.mm) from the proposed 33/220 KV Pooling Substation of 300 MW Solar Power Project of M/s. SAEL Solar MHP1 Private Limited, Village T Koduru, Sirigepalle, to Proposed Solar FD#01 comprising of 2 X 0.66/33 kV,13.2 MVA Inverter Duty Transformers of (ICR 22 ,23) located at 300 MW Solar Power Project of M/s. SAEL Solar MHP1 Private Limited, Village T Koduru, Sirigepalle Andhra Pradesh
(d)	Length of Power line:	3.74 kms
(e)	Operating Voltage	33 kV
(f)	Number of circuits	1
2		
(a)	Names of parallel telecom lines:	As per Annexure-II
(b)	Length of parallelism:	As per Annexure-II
3	Average value of earth resistivity in the region:	5,000 ohm-cms
4	Whether LF test necessary:	No
5	Special conditions subject to which this certificate will be effective	As per Annexure-II

Annexure II

Name of the Power Line: 33 KV XLPE, AL Ar UG cable (3CX300 Sq.mm) from the proposed 33/220 KV Pooling Substation of 300 MW Solar Power Project of M/s. SAEL Solar MHP1 Private Limited, Village T Koduru, Sirigepalle, to Proposed Solar FD#01 comprising of 2 X 0.66/33 kV,13.2 MVA Inverter Duty Transformers of (ICR 22 ,23) located at 300 MW Solar Power Project of M/s. SAEL Solar MHP1 Private Limited, Village T Koduru, Sirigepalle Andhra Pradesh (Length: 3.74 kms)

1. EPR zone for the proposed substation is mentioned below:

Name of the proposed Substation	Half diagonal distance , D/2 (mts)	Fault Current I (KA)	Resistance of Earth Mat, R (ohms)	d (mts) at 430 V	d (mts) at 650 V	d (mts) at 7kV	d (mts) at 10kV
33/220 KV Pooling Substation of 300 MW Solar Power Project of M/s. SAEL Solar MHP1 Private Limited, Village T Koduru, Sirigepalle	63.74	40	0.26	1478	956	31	3

Telecom authorities to ensure the protection of telecom equipment and personnel within the EPR zone of the proposed substation at the cost of the later entrant.

सत्यमेव जयते

भारत सरकार
Government of India
विद्युत मंत्रालय
Ministry of Power
केन्द्रीय विद्युत प्राधिकरण
Central Electricity Authority
विद्युत प्रणाली संचार विकास प्रभाग
Power System Communication Development Division
****

On behalf of
Central Level Power & Telecommunication Co-ordination Committee

No: As assigned **Date:** As assigned

CEA Case No.: AND-803-F2

Provisional Certificate of Approval for the Route of Extra High Tension (EHT) Power Line / Telecommunication Line

Provisional approval of the Central Level Power & Telecommunication Co-ordination Committee is hereby conveyed for **60 days** from the date of signing to the route of **33 KV XLPE, AL Ar UG cable (3CX300 Sq.mm) from proposed 33/220 KV Pooling Substation of 300 MW Solar Power Project of M/s. SAEL Solar MHP1 Private Limited, Village T Koduru, Sirigepalle to Proposed Solar FD#02 comprising of 2 X 0.66/33 kV,13.2 MVA Inverter Duty Transformers of (ICR 24, 27) located at 300 MW Solar Power Project of M/s. SAEL Solar MHP1 Private Limited, Village T Koduru, Sirigepalle Andhra Pradesh (Length: 5.984 kms)** particulars of which are given in Annexure I.

The approval is for the route only and is subject to the following conditions.

1. The approval is based on the Power system/ Telecom system conditions' details as reported by the Power supply authority/ Telecom authority at present. Any changes either to Transmission line or the Power system or the paralleling telecommunication lines which are likely to alter the low frequency induction from the estimated at present should be reported to PTCC for its prior approval.
2. The Power and Telecommunication authorities shall be required to adopt such measures as may be recommended by PTCC for counteracting any interference that might arise when the EHT line is in normal operation.
3. Each crossing should satisfy the conditions as laid down in Para 6 -10 of PTCC Code of Practice for crossings.
4. The angle of crossing shall be 90 degrees but in no case less than 60 degrees.
5. The power line shall be equipped with protective switchgear such that the duration of earth current shall be as short as possible but never exceeding 0.5 seconds.

6. The power line shall be energized within a mutually acceptable time limit after obtaining a Certificate from the concerned Telecom and/or Railway authority regarding completion of provision of all protective measures as recommended by PTCC and also under specific clearance from the Telecom and/or Railway authority maintaining the Telecom system.
7. The energization of Extra High Tension power lines would not be held up for want of installation of GD tubes on telecom lines when the induced voltages are in the range of 430 to 650 V.
8. The telecom line shall be commissioned within a mutually acceptable time after completing provision of all protective measures as recommended by PTCC and also after obtaining specific clearance from the Power authority, if certain measures as recommended by PTCC are to be carried out on power system.
9. The later entrant in the field shall bear the entire cost of providing GD tubes and their fitting as recommended by PTCC, including 15% spares and/or any other protective measures as recommended by PTCC.
10. The route approval shall be subject to special conditions as laid down under Annexure II.

Signed by Suman Kumar Maharana
Date: 09-09-2025 22:23:08
Chief Engineer

1.	M/s SAEL Solar MHP1 Private Limited	3rd Floor, Worldmark-1, Aerocity, New Delhi – 110 037

Annexure I

1		
(a)	Name of the Power Supply authority seeking approval	M/s SAEL Solar MHP1 Private Limited
(b)	Reference number & date:	SAEL/PTCC/MHP-1/TL/33KV/300MW/FD#1toFD#17/08/25 E-mail dated 09.09.2025
(c)	Name of the Power line	33 KV XLPE, AL Ar UG cable (3CX300 Sq.mm) from proposed 33/220 KV Pooling Substation of 300 MW Solar Power Project of M/s. SAEL Solar MHP1 Private Limited, Village T Koduru, Sirigepalle to Proposed Solar FD#02 comprising of 2 X 0.66/33 kV,13.2 MVA Inverter Duty Transformers of (ICR 24, 27) located at 300 MW Solar Power Project of M/s. SAEL Solar MHP1 Private Limited, Village T Koduru, Sirigepalle Andhra Pradesh
(d)	Length of Power line:	5.984 kms
(e)	Operating Voltage	33 kV
(f)	Number of circuits	1
2		
(a)	Names of parallel telecom lines:	As per Annexure-II
(b)	Length of parallelism:	As per Annexure-II
3	Average value of earth resistivity in the region:	5,000 ohm-cms
4	Whether LF test necessary:	No
5	Special conditions subject to which this certificate will be effective	As per Annexure-II

Annexure II

Name of the Power Line33 KV XLPE, AL Ar UG cable (3CX300 Sq.mm) from proposed 33/220 KV Pooling Substation of 300 MW Solar Power Project of M/s. SAEL Solar MHP1 Private Limited, Village T Koduru, Sirigepalle to Proposed Solar FD#02 comprising of 2 X 0.66/33 kV,13.2 MVA Inverter Duty Transformers of (ICR 24, 27) located at 300 MW Solar Power Project of M/s. SAEL Solar MHP1 Private Limited, Village T Koduru, Sirigepalle Andhra Pradesh (Length: 5.984 kms)

1. EPR zone for the proposed substation is mentioned below:

Name of the proposed Substation	Half diagonal distance, D/2 (mts)	Fault Current I (KA)	Resistance of Earth Mat, R (ohms)	d (mts) at 430 V	d (mts) at 650 V	d (mts) at 7kV	d (mts) at 10kV
33/220 KV Pooling Substation of 300 MW Solar Power Project of M/s. SAEL Solar MHP1 Private Limited, Village T Koduru, Sirigepalle	63.74	40	0.26	1478	956	31	3

Telecom authorities to ensure the protection of telecom equipment and personnel within the EPR zone of the proposed substation at the cost of the later entrant.

सत्यमेव जयते

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Government of India
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Ministry of Power
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Central Electricity Authority
विद्युत प्रणाली संचार विकास प्रभाग
Power System Communication Development Division
****

On behalf of
Central Level Power & Telecommunication Co-ordination Committee

No: As assigned **Date:** As assigned

CEA Case No.: AND-803-F3

Provisional Certificate of Approval for the Route of Extra High Tension (EHT) Power Line / Telecommunication Line

Provisional approval of the Central Level Power & Telecommunication Co-ordination Committee is hereby conveyed for **60 days** from the date of signing to the route of **33 KV XLPE, AL Ar UG cable (3CX300 Sq.mm) from proposed 33/220 KV Pooling Substation of 300 MW Solar Power Project of M/s. SAEL Solar MHP1 Private Limited, Village T Koduru, Sirigepalle to Proposed Solar FD#03 comprising of 2 X 0.66/33 kV,13.2 MVA Inverter Duty Transformers of (ICR 25 ,28) located at 300 MW Solar Power Project of M/s. SAEL Solar MHP1 Private Limited, Village T Koduru, Sirigepalle Andhra Pradesh (Length: 6.831 kms)** particulars of which are given in Annexure I.

The approval is for the route only and is subject to the following conditions.

1. The approval is based on the Power system/ Telecom system conditions' details as reported by the Power supply authority/ Telecom authority at present. Any changes either to Transmission line or the Power system or the paralleling telecommunication lines which are likely to alter the low frequency induction from the estimated at present should be reported to PTCC for its prior approval.
2. The Power and Telecommunication authorities shall be required to adopt such measures as may be recommended by PTCC for counteracting any interference that might arise when the EHT line is in normal operation.
3. Each crossing should satisfy the conditions as laid down in Para 6 -10 of PTCC Code of Practice for crossings.
4. The angle of crossing shall be 90 degrees but in no case less than 60 degrees.
5. The power line shall be equipped with protective switchgear such that the duration of earth current shall be as short as possible but never exceeding 0.5 seconds.

6. The power line shall be energized within a mutually acceptable time limit after obtaining a Certificate from the concerned Telecom and/or Railway authority regarding completion of provision of all protective measures as recommended by PTCC and also under specific clearance from the Telecom and/or Railway authority maintaining the Telecom system.
7. The energization of Extra High Tension power lines would not be held up for want of installation of GD tubes on telecom lines when the induced voltages are in the range of 430 to 650 V.
8. The telecom line shall be commissioned within a mutually acceptable time after completing provision of all protective measures as recommended by PTCC and also after obtaining specific clearance from the Power authority, if certain measures as recommended by PTCC are to be carried out on power system.
9. The later entrant in the field shall bear the entire cost of providing GD tubes and their fitting as recommended by PTCC, including 15% spares and/or any other protective measures as recommended by PTCC.
10. The route approval shall be subject to special conditions as laid down under Annexure II.

Signed by Suman Kumar Maharana
Date: 09-09-2025 22:21:33
Chief Engineer

1.	M/s SAEL Solar MHP1 Private Limited	3rd Floor, Worldmark-1, Aerocity, New Delhi – 110 037

Annexure I

1		
(a)	Name of the Power Supply authority seeking approval	M/s SAEL Solar MHP1 Private Limited
(b)	Reference number & date:	SAEL/PTCC/MHP-1/TL/33KV/300MW/FD#1toFD#17/08/25 E-mail dated 09.09.2025
(c)	Name of the Power line	33 KV XLPE, AL Ar UG cable (3CX300 Sq.mm) from proposed 33/220 KV Pooling Substation of 300 MW Solar Power Project of M/s. SAEL Solar MHP1 Private Limited, Village T Koduru, Sirigepalle to Proposed Solar FD#03 comprising of 2 X 0.66/33 kV,13.2 MVA Inverter Duty Transformers of (ICR 25 ,28) located at 300 MW Solar Power Project of M/s. SAEL Solar MHP1 Private Limited, Village T Koduru, Sirigepalle Andhra Pradesh
(d)	Length of Power line:	6.831 kms
(e)	Operating Voltage	33 kV
(f)	Number of circuits	1
2		
(a)	Names of parallel telecom lines:	As per Annexure-II
(b)	Length of parallelism:	As per Annexure-II
3	Average value of earth resistivity in the region:	5,000 ohm-cms
4	Whether LF test necessary:	No
5	Special conditions subject to which this certificate will be effective	As per Annexure-II

Annexure II

Name of the Power Line: 33 KV XLPE, AL Ar UG cable (3CX300 Sq.mm) from proposed 33/220 KV Pooling Substation of 300 MW Solar Power Project of M/s. SAEL Solar MHP1 Private Limited, Village T Koduru, Sirigepalle to Proposed Solar FD#03 comprising of 2 X 0.66/33 kV,13.2 MVA Inverter Duty Transformers of (ICR 25 ,28) located at 300 MW Solar Power Project of M/s. SAEL Solar MHP1 Private Limited, Village T Koduru, Sirigepalle Andhra Pradesh (Length: 6.831 kms)

1. EPR zone for the proposed substation is mentioned below:

Name of the proposed Substation	Half diagonal distance, D/2 (mts)	Fault Current I (KA)	Resistance of Earth Mat, R (ohms)	d (mts) at 430 V	d (mts) at 650 V	d (mts) at 7kV	d (mts) at 10kV
33/220 KV Pooling Substation of 300 MW Solar Power Project of M/s. SAEL Solar MHP1 Private Limited, Village T Koduru, Sirigepalle	63.74	40	0.26	1478	956	31	3

Telecom authorities to ensure the protection of telecom equipment and personnel within the EPR zone of the proposed substation at the cost of the later entrant.

सत्यमेव जयते

भारत सरकार
Government of India
विद्युत मंत्रालय
Ministry of Power
केन्द्रीय विद्युत प्राधिकरण
Central Electricity Authority
विद्युत प्रणाली संचार विकास प्रभाग
Power System Communication Development Division
****

On behalf of
Central Level Power & Telecommunication Co-ordination Committee

No: As assigned **Date:** As assigned

CEA Case No.: AND-803-F4

Provisional Certificate of Approval for the Route of Extra High Tension (EHT) Power Line / Telecommunication Line

Provisional approval of the Central Level Power & Telecommunication Co-ordination Committee is hereby conveyed for **60 days** from the date of signing to the route of **33 KV XLPE, AL Ar UG cable (3CX300 Sq.mm) from proposed 33/220 KV Pooling Substation of 300 MW Solar Power Project of M/s. SAEL Solar MHP1 Private Limited, Village T Koduru, Sirigepalle to Proposed Solar FD#04 comprising of 1X 0.66/33 kV,13.2 MVA Inverter Duty Transformers of (ICR 21) located at 300 MW Solar Power Project of M/s. SAEL Solar MHP1 Private Limited, Village T Koduru, Sirigepalle Andhra Pradesh (Length: 1.507 kms)** particulars of which are given in Annexure I.

The approval is for the route only and is subject to the following conditions.

1. The approval is based on the Power system/ Telecom system conditions' details as reported by the Power supply authority/ Telecom authority at present. Any changes either to Transmission line or the Power system or the paralleling telecommunication lines which are likely to alter the low frequency induction from the estimated at present should be reported to PTCC for its prior approval.
2. The Power and Telecommunication authorities shall be required to adopt such measures as may be recommended by PTCC for counteracting any interference that might arise when the EHT line is in normal operation.
3. Each crossing should satisfy the conditions as laid down in Para 6 -10 of PTCC Code of Practice for crossings.
4. The angle of crossing shall be 90 degrees but in no case less than 60 degrees.
5. The power line shall be equipped with protective switchgear such that the duration of earth current shall be as short as possible but never exceeding 0.5 seconds.

6. The power line shall be energized within a mutually acceptable time limit after obtaining a Certificate from the concerned Telecom and/or Railway authority regarding completion of provision of all protective measures as recommended by PTCC and also under specific clearance from the Telecom and/or Railway authority maintaining the Telecom system.
7. The energization of Extra High Tension power lines would not be held up for want of installation of GD tubes on telecom lines when the induced voltages are in the range of 430 to 650 V.
8. The telecom line shall be commissioned within a mutually acceptable time after completing provision of all protective measures as recommended by PTCC and also after obtaining specific clearance from the Power authority, if certain measures as recommended by PTCC are to be carried out on power system.
9. The later entrant in the field shall bear the entire cost of providing GD tubes and their fitting as recommended by PTCC, including 15% spares and/or any other protective measures as recommended by PTCC.
10. The route approval shall be subject to special conditions as laid down under Annexure II.

Signed by Suman Kumar Maharana
Date: 09-09-2025 22:19:49
Chief Engineer

1.	M/s SAEL Solar MHP1 Private Limited	3rd Floor, Worldmark-1, Aerocity, New Delhi – 110 037

Annexure I

1		
(a)	Name of the Power Supply authority seeking approval	M/s SAEL Solar MHP1 Private Limited
(b)	Reference number & date:	SAEL/PTCC/MHP-1/TL/33KV/300MW/FD#1toFD#17/08/25 E-mail dated 09.09.2025
(c)	Name of the Power line	33 KV XLPE, AL Ar UG cable (3CX300 Sq.mm) from proposed 33/220 KV Pooling Substation of 300 MW Solar Power Project of M/s. SAEL Solar MHP1 Private Limited, Village T Koduru, Sirigepalle to Proposed Solar FD#04 comprising of 1X 0.66/33 kV,13.2 MVA Inverter Duty Transformers of (ICR 21) located at 300 MW Solar Power Project of M/s. SAEL Solar MHP1 Private Limited, Village T Koduru, Sirigepalle Andhra Pradesh
(d)	Length of Power line:	1.507 kms
(e)	Operating Voltage	33 kV
(f)	Number of circuits	1
2		
(a)	Names of parallel telecom lines:	As per Annexure-II
(b)	Length of parallelism:	As per Annexure-II
3	Average value of earth resistivity in the region:	5,000 ohm-cms
4	Whether LF test necessary:	No
5	Special conditions subject to which this certificate will be effective	As per Annexure-II

Annexure II

Name of the Power Line: 33 KV XLPE, AL Ar UG cable (3CX300 Sq.mm) from proposed 33/220 KV Pooling Substation of 300 MW Solar Power Project of M/s. SAEL Solar MHP1 Private Limited, Village T Koduru, Sirigepalle to Proposed Solar FD#04 comprising of 1X 0.66/33 kV,13.2 MVA Inverter Duty Transformers of (ICR 21) located at 300 MW Solar Power Project of M/s. SAEL Solar MHP1 Private Limited, Village T Koduru, Sirigepalle Andhra Pradesh (Length: 1.507 kms)

1. EPR zone for the proposed substation is mentioned below:

Name of the proposed Substation	Half diagonal distance, D/2 (mts)	Fault Current I (KA)	Resistance of Earth Mat, R (ohms)	d (mts) at 430 V	d (mts) at 650 V	d (mts) at 7kV	d (mts) at 10kV
33/220 KV Pooling Substation of 300 MW Solar Power Project of M/s. SAEL Solar MHP1 Private Limited, Village T Koduru, Sirigepalle	63.74	40	0.26	1478	956	31	3

Telecom authorities to ensure the protection of telecom equipment and personnel within the EPR zone of the proposed substation at the cost of the later entrant.

सत्यमेव जयते

भारत सरकार
Government of India
विद्युत मंत्रालय
Ministry of Power
केन्द्रीय विद्युत प्राधिकरण
Central Electricity Authority
विद्युत प्रणाली संचार विकास प्रभाग
Power System Communication Development Division
****

On behalf of
Central Level Power & Telecommunication Co-ordination Committee

No: As assigned **Date:** As assigned

CEA Case No.: AND-803-F5

Provisional Certificate of Approval for the Route of Extra High Tension (EHT) Power Line / Telecommunication Line

Provisional approval of the Central Level Power & Telecommunication Co-ordination Committee is hereby conveyed for **60 days** from the date of signing to the route of **33 KV XLPE, AL Ar UG cable (3CX300 Sq.mm) from proposed 33/220 KV Pooling Substation of 300 MW Solar Power Project of M/s. SAEL Solar MHP1 Private Limited, Village T Koduru, Sirigepalle to Proposed Solar FD#05 comprising of 2 X 0.66/33 kV,13.2 MVA Inverter Duty Transformers of (ICR 8 ,11) located at 300 MW Solar Power Project of M/s. SAEL Solar MHP1 Private Limited, Village T Koduru, Sirigepalle Andhra Pradesh (Length: 3.955 kms)** particulars of which are given in Annexure I.

The approval is for the route only and is subject to the following conditions.

1. The approval is based on the Power system/ Telecom system conditions' details as reported by the Power supply authority/ Telecom authority at present. Any changes either to Transmission line or the Power system or the paralleling telecommunication lines which are likely to alter the low frequency induction from the estimated at present should be reported to PTCC for its prior approval.
2. The Power and Telecommunication authorities shall be required to adopt such measures as may be recommended by PTCC for counteracting any interference that might arise when the EHT line is in normal operation.
3. Each crossing should satisfy the conditions as laid down in Para 6 -10 of PTCC Code of Practice for crossings.
4. The angle of crossing shall be 90 degrees but in no case less than 60 degrees.
5. The power line shall be equipped with protective switchgear such that the duration of earth current shall be as short as possible but never exceeding 0.5 seconds.

6. The power line shall be energized within a mutually acceptable time limit after obtaining a Certificate from the concerned Telecom and/or Railway authority regarding completion of provision of all protective measures as recommended by PTCC and also under specific clearance from the Telecom and/or Railway authority maintaining the Telecom system.
7. The energization of Extra High Tension power lines would not be held up for want of installation of GD tubes on telecom lines when the induced voltages are in the range of 430 to 650 V.
8. The telecom line shall be commissioned within a mutually acceptable time after completing provision of all protective measures as recommended by PTCC and also after obtaining specific clearance from the Power authority, if certain measures as recommended by PTCC are to be carried out on power system.
9. The later entrant in the field shall bear the entire cost of providing GD tubes and their fitting as recommended by PTCC, including 15% spares and/or any other protective measures as recommended by PTCC.
10. The route approval shall be subject to special conditions as laid down under Annexure II.

Signed by Suman Kumar Maharana
Date: 09-09-2025 22:16:03
Chief Engineer

1.	M/s SAEL Solar MHP1 Private Limited	3rd Floor, Worldmark-1, Aerocity, New Delhi – 110 037

Annexure I

1		
(a)	Name of the Power Supply authority seeking approval	M/s SAEL Solar MHP1 Private Limited
(b)	Reference number & date:	SAEL/PTCC/MHP-1/TL/33KV/300MW/FD#1toFD#17/08/25 E-mail dated 09.09.2025
(c)	Name of the Power line	33 KV XLPE, AL Ar UG cable (3CX300 Sq.mm) from proposed 33/220 KV Pooling Substation of 300 MW Solar Power Project of M/s. SAEL Solar MHP1 Private Limited, Village T Koduru, Sirigepalle to Proposed Solar FD#05 comprising of 2 X 0.66/33 kV,13.2 MVA Inverter Duty Transformers of (ICR 8 ,11) located at 300 MW Solar Power Project of M/s. SAEL Solar MHP1 Private Limited, Village T Koduru, Sirigepalle Andhra Pradesh
(d)	Length of Power line:	3.955 kms
(e)	Operating Voltage	33 kV
(f)	Number of circuits	1
2		
(a)	Names of parallel telecom lines:	As per Annexure-II
(b)	Length of parallelism:	As per Annexure-II
3	Average value of earth resistivity in the region:	5,000 ohm-cms
4	Whether LF test necessary:	No
5	Special conditions subject to which this certificate will be effective	As per Annexure-II

Annexure II

Name of the Power Line: 33 KV XLPE, AL Ar UG cable (3CX300 Sq.mm) from proposed 33/220 KV Pooling Substation of 300 MW Solar Power Project of M/s. SAEL Solar MHP1 Private Limited, Village T Koduru, Sirigepalle to Proposed Solar FD#05 comprising of 2 X 0.66/33 kV,13.2 MVA Inverter Duty Transformers of (ICR 8 ,11) located at 300 MW Solar Power Project of M/s. SAEL Solar MHP1 Private Limited, Village T Koduru, Sirigepalle Andhra Pradesh (Length: 3.955 kms)

1. EPR zone for the proposed substation is mentioned below:

Name of the proposed Substation	Half diagonal distance , D/2 (mts)	Fault Current I (KA)	Resistance of Earth Mat, R (ohms)	d (mts) at 430 V	d (mts) at 650 V	d (mts) at 7kV	d (mts) at 10kV
33/220 KV Pooling Substation of 300 MW Solar Power Project of M/s. SAEL Solar MHP1 Private Limited, Village T Koduru, Sirigepalle	63.74	40	0.26	1478	956	31	3

Telecom authorities to ensure the protection of telecom equipment and personnel within the EPR zone of the proposed substation at the cost of the later entrant.

सत्यमेव जयते

भारत सरकार
Government of India
विद्युत मंत्रालय
Ministry of Power
केन्द्रीय विद्युत प्राधिकरण
Central Electricity Authority
विद्युत प्रणाली संचार विकास प्रभाग
Power System Communication Development Division
****

On behalf of
Central Level Power & Telecommunication Co-ordination Committee

No: As assigned **Date:** As assigned

CEA Case No.: AND-803-F6

Provisional Certificate of Approval for the Route of Extra High Tension (EHT) Power Line / Telecommunication Line

Provisional approval of the Central Level Power & Telecommunication Co-ordination Committee is hereby conveyed for **60 days** from the date of signing to the route of **33 KV XLPE, AL Ar UG cable (3CX300 Sq.mm) from proposed 33/220 KV Pooling Substation of 300 MW Solar Power Project of M/s. SAEL Solar MHP1 Private Limited, Village T Koduru, Sirigepalle to Proposed Solar FD#06 comprising of 2 X 0.66/33 kV,13.2 MVA Inverter Duty Transformers of (ICR 10,14) located at 300 MW Solar Power Project of M/s. SAEL Solar MHP1 Private Limited, Village T Koduru, Sirigepalle Andhra Pradesh (Length: 6.688 kms)** particulars of which are given in Annexure I.

The approval is for the route only and is subject to the following conditions.

1. The approval is based on the Power system/ Telecom system conditions' details as reported by the Power supply authority/ Telecom authority at present. Any changes either to Transmission line or the Power system or the paralleling telecommunication lines which are likely to alter the low frequency induction from the estimated at present should be reported to PTCC for its prior approval.
2. The Power and Telecommunication authorities shall be required to adopt such measures as may be recommended by PTCC for counteracting any interference that might arise when the EHT line is in normal operation.
3. Each crossing should satisfy the conditions as laid down in Para 6 -10 of PTCC Code of Practice for crossings.
4. The angle of crossing shall be 90 degrees but in no case less than 60 degrees.
5. The power line shall be equipped with protective switchgear such that the duration of earth current shall be as short as possible but never exceeding 0.5 seconds.

6. The power line shall be energized within a mutually acceptable time limit after obtaining a Certificate from the concerned Telecom and/or Railway authority regarding completion of provision of all protective measures as recommended by PTCC and also under specific clearance from the Telecom and/or Railway authority maintaining the Telecom system.
7. The energization of Extra High Tension power lines would not be held up for want of installation of GD tubes on telecom lines when the induced voltages are in the range of 430 to 650 V.
8. The telecom line shall be commissioned within a mutually acceptable time after completing provision of all protective measures as recommended by PTCC and also after obtaining specific clearance from the Power authority, if certain measures as recommended by PTCC are to be carried out on power system.
9. The later entrant in the field shall bear the entire cost of providing GD tubes and their fitting as recommended by PTCC, including 15% spares and/or any other protective measures as recommended by PTCC.
10. The route approval shall be subject to special conditions as laid down under Annexure II.

Signed by Suman Kumar Maharana
Date: 09-09-2025 22:13:49
Chief Engineer

1.	M/s SAEL Solar MHP1 Private Limited	3rd Floor, Worldmark-1, Aerocity, New Delhi – 110 037

Annexure I

1		
(a)	Name of the Power Supply authority seeking approval	M/s SAEL Solar MHP1 Private Limited
(b)	Reference number & date:	SAEL/PTCC/MHP-1/TL/33KV/300MW/FD#1toFD#17/08/25 E-mail dated 09.09.2025
(c)	Name of the Power line	33 KV XLPE, AL Ar UG cable (3CX300 Sq.mm) from proposed 33/220 KV Pooling Substation of 300 MW Solar Power Project of M/s. SAEL Solar MHP1 Private Limited, Village T Koduru, Sirigepalle to Proposed Solar FD#06 comprising of 2 X 0.66/33 kV,13.2 MVA Inverter Duty Transformers of (ICR 10,14) located at 300 MW Solar Power Project of M/s. SAEL Solar MHP1 Private Limited, Village T Koduru, Sirigepalle Andhra Pradesh
(d)	Length of Power line:	6.688 kms
(e)	Operating Voltage	33 kV
(f)	Number of circuits	1
2		
(a)	Names of parallel telecom lines:	As per Annexure-II
(b)	Length of parallelism:	As per Annexure-II
3	Average value of earth resistivity in the region:	5,000 ohm-cms
4	Whether LF test necessary:	No
5	Special conditions subject to which this certificate will be effective	As per Annexure-II

Annexure II

Name of the Power Line: 33 KV XLPE, AL Ar UG cable (3CX300 Sq.mm) from proposed 33/220 KV Pooling Substation of 300 MW Solar Power Project of M/s. SAEL Solar MHP1 Private Limited, Village T Koduru, Sirigepalle to Proposed Solar FD#06 comprising of 2 X 0.66/33 kV,13.2 MVA Inverter Duty Transformers of (ICR 10,14) located at 300 MW Solar Power Project of M/s. SAEL Solar MHP1 Private Limited, Village T Koduru, Sirigepalle Andhra Pradesh (Length: 6.688 kms)

1. EPR zone for the proposed substation is mentioned below:

Name of the proposed Substation	Half diagonal distance, D/2 (mts)	Fault Current I (KA)	Resistance of Earth Mat, R (ohms)	d (mts) at 430 V	d (mts) at 650 V	d (mts) at 7kV	d (mts) at 10kV
33/220 KV Pooling Substation of 300 MW Solar Power Project of M/s. SAEL Solar MHP1 Private Limited, Village T Koduru, Sirigepalle	63.74	40	0.26	1478	956	31	3

Telecom authorities to ensure the protection of telecom equipment and personnel within the EPR zone of the proposed substation at the cost of the later entrant.

सत्यमेव जयते

भारत सरकार
Government of India
विद्युत मंत्रालय
Ministry of Power
केन्द्रीय विद्युत प्राधिकरण
Central Electricity Authority
विद्युत प्रणाली संचार विकास प्रभाग
Power System Communication Development Division
****

On behalf of
Central Level Power & Telecommunication Co-ordination Committee

No: As assigned **Date:** As assigned

CEA Case No.: AND-803-F7

Provisional Certificate of Approval for the Route of Extra High Tension (EHT) Power Line / Telecommunication Line

Provisional approval of the Central Level Power & Telecommunication Co-ordination Committee is hereby conveyed for **60 days** from the date of signing to the route of **33 KV XLPE, AL Ar UG cable (3CX300 Sq.mm) from proposed 33/220 KV Pooling Substation of 300 MW Solar Power Project of M/s. SAEL Solar MHP1 Private Limited, Village T Koduru, Sirigepalle to Proposed Solar FD#07comprising of 2 X 0.66/33 kV,13.2 MVA Inverter Duty Transformers of (ICR 15, 18) located at 300 MW Solar Power Project of M/s. SAEL Solar MHP1 Private Limited, Village T Koduru, Sirigepalle Andhra Pradesh (Length: 7.447 kms)** particulars of which are given in Annexure I.

The approval is for the route only and is subject to the following conditions.

1. The approval is based on the Power system/ Telecom system conditions' details as reported by the Power supply authority/ Telecom authority at present. Any changes either to Transmission line or the Power system or the paralleling telecommunication lines which are likely to alter the low frequency induction from the estimated at present should be reported to PTCC for its prior approval.
2. The Power and Telecommunication authorities shall be required to adopt such measures as may be recommended by PTCC for counteracting any interference that might arise when the EHT line is in normal operation.
3. Each crossing should satisfy the conditions as laid down in Para 6 -10 of PTCC Code of Practice for crossings.
4. The angle of crossing shall be 90 degrees but in no case less than 60 degrees.
5. The power line shall be equipped with protective switchgear such that the duration of earth current shall be as short as possible but never exceeding 0.5 seconds.

6. The power line shall be energized within a mutually acceptable time limit after obtaining a Certificate from the concerned Telecom and/or Railway authority regarding completion of provision of all protective measures as recommended by PTCC and also under specific clearance from the Telecom and/or Railway authority maintaining the Telecom system.
7. The energization of Extra High Tension power lines would not be held up for want of installation of GD tubes on telecom lines when the induced voltages are in the range of 430 to 650 V.
8. The telecom line shall be commissioned within a mutually acceptable time after completing provision of all protective measures as recommended by PTCC and also after obtaining specific clearance from the Power authority, if certain measures as recommended by PTCC are to be carried out on power system.
9. The later entrant in the field shall bear the entire cost of providing GD tubes and their fitting as recommended by PTCC, including 15% spares and/or any other protective measures as recommended by PTCC.
10. The route approval shall be subject to special conditions as laid down under Annexure II.

Signed by Suman Kumar Maharana
Date: 09-09-2025 22:11:26

Chief Engineer

1.	M/s SAEL Solar MHP1 Private Limited	3rd Floor, Worldmark-1, Aerocity, New Delhi – 110 037

Annexure I

1		
(a)	Name of the Power Supply authority seeking approval	M/s SAEL Solar MHP1 Private Limited
(b)	Reference number & date:	SAEL/PTCC/MHP-1/TL/33KV/300MW/FD#1toFD#17/08/25 E-mail dated 09.09.2025
(c)	Name of the Power line	33 KV XLPE, AL Ar UG cable (3CX300 Sq.mm) from proposed 33/220 KV Pooling Substation of 300 MW Solar Power Project of M/s. SAEL Solar MHP1 Private Limited, Village T Koduru, Sirigepalle to Proposed Solar FD#07comprising of 2 X 0.66/33 kV,13.2 MVA Inverter Duty Transformers of (ICR 15, 18) located at 300 MW Solar Power Project of M/s. SAEL Solar MHP1 Private Limited, Village T Koduru, Sirigepalle Andhra Pradesh
(d)	Length of Power line:	7.447 kms
(e)	Operating Voltage	33 kV
(f)	Number of circuits	1
2		
(a)	Names of parallel telecom lines:	As per Annexure-II
(b)	Length of parallelism:	As per Annexure-II
3	Average value of earth resistivity in the region:	5,000 ohm-cms
4	Whether LF test necessary:	No
5	Special conditions subject to which this certificate will be effective	As per Annexure-II

Annexure II

Name of the Power Line: 33 KV XLPE, AL Ar UG cable (3CX300 Sq.mm) from proposed 33/220 KV Pooling Substation of 300 MW Solar Power Project of M/s. SAEL Solar MHP1 Private Limited, Village T Koduru, Sirigepalle to Proposed Solar FD#07comprising of 2 X 0.66/33 kV,13.2 MVA Inverter Duty Transformers of (ICR 15, 18) located at 300 MW Solar Power Project of M/s. SAEL Solar MHP1 Private Limited, Village T Koduru, Sirigepalle Andhra Pradesh (Length: 7.447 kms)

1. EPR zone for the proposed substation is mentioned below:

Name of the proposed Substation	Half diagonal distance, D/2 (mts)	Fault Current I (KA)	Resistance of Earth Mat, R (ohms)	d (mts) at 430 V	d (mts) at 650 V	d (mts) at 7kV	d (mts) at 10kV
33/220 KV Pooling Substation of 300 MW Solar Power Project of M/s. SAEL Solar MHP1 Private Limited, Village T Koduru, Sirigepalle	63.74	40	0.26	1478	956	31	3

Telecom authorities to ensure the protection of telecom equipment and personnel within the EPR zone of the proposed substation at the cost of the later entrant.

सत्यमेव जयते

भारत सरकार
Government of India
विद्युत मंत्रालय
Ministry of Power
केन्द्रीय विद्युत प्राधिकरण
Central Electricity Authority
विद्युत प्रणाली संचार विकास प्रभाग
Power System Communication Development Division
****

On behalf of
Central Level Power & Telecommunication Co-ordination Committee

No: As assigned **Date:** As assigned

CEA Case No.: AND-803-F8

Provisional Certificate of Approval for the Route of Extra High Tension (EHT) Power Line / Telecommunication Line

Provisional approval of the Central Level Power & Telecommunication Co-ordination Committee is hereby conveyed for **60 days** from the date of signing to the route of **33 KV XLPE, AL Ar UG cable (3CX300 Sq.mm) from proposed 33/220 KV Pooling Substation of 300 MW Solar Power Project of M/s. SAEL Solar MHP1 Private Limited, Village T Koduru, Sirigepalle to Proposed Solar FD#08comprising of 1X 0.66/33 kV,13.2 MVA Inverter Duty Transformers of (ICR 26) located at 300 MW Solar Power Project of M/s. SAEL Solar MHP1 Private Limited, Village T Koduru, Sirigepalle Andhra Pradesh (Length: 1.87 kms)** particulars of which are given in Annexure I.

The approval is for the route only and is subject to the following conditions.

1. The approval is based on the Power system/ Telecom system conditions' details as reported by the Power supply authority/ Telecom authority at present. Any changes either to Transmission line or the Power system or the paralleling telecommunication lines which are likely to alter the low frequency induction from the estimated at present should be reported to PTCC for its prior approval.
2. The Power and Telecommunication authorities shall be required to adopt such measures as may be recommended by PTCC for counteracting any interference that might arise when the EHT line is in normal operation.
3. Each crossing should satisfy the conditions as laid down in Para 6 -10 of PTCC Code of Practice for crossings.
4. The angle of crossing shall be 90 degrees but in no case less than 60 degrees.
5. The power line shall be equipped with protective switchgear such that the duration of earth current shall be as short as possible but never exceeding 0.5 seconds.

6. The power line shall be energized within a mutually acceptable time limit after obtaining a Certificate from the concerned Telecom and/or Railway authority regarding completion of provision of all protective measures as recommended by PTCC and also under specific clearance from the Telecom and/or Railway authority maintaining the Telecom system.
7. The energization of Extra High Tension power lines would not be held up for want of installation of GD tubes on telecom lines when the induced voltages are in the range of 430 to 650 V.
8. The telecom line shall be commissioned within a mutually acceptable time after completing provision of all protective measures as recommended by PTCC and also after obtaining specific clearance from the Power authority, if certain measures as recommended by PTCC are to be carried out on power system.
9. The later entrant in the field shall bear the entire cost of providing GD tubes and their fitting as recommended by PTCC, including 15% spares and/or any other protective measures as recommended by PTCC.
10. The route approval shall be subject to special conditions as laid down under Annexure II.

Signed by Suman Kumar Maharana
Date: 09-09-2025 22:09:23
Chief Engineer

1.	M/s SAEL Solar MHP1 Private Limited	3rd Floor, Worldmark-1, Aerocity, New Delhi – 110 037

Annexure I

1		
(a)	Name of the Power Supply authority seeking approval	M/s SAEL Solar MHP1 Private Limited
(b)	Reference number & date:	SAEL/PTCC/MHP-1/TL/33KV/300MW/FD#1toFD#17/08/25 E-mail dated 09.09.2025
(c)	Name of the Power line	33 KV XLPE, AL Ar UG cable (3CX300 Sq.mm) from proposed 33/220 KV Pooling Substation of 300 MW Solar Power Project of M/s. SAEL Solar MHP1 Private Limited, Village T Koduru, Sirigepalle to Proposed Solar FD#08comprising of 1X 0.66/33 kV,13.2 MVA Inverter Duty Transformers of (ICR 26) located at 300 MW Solar Power Project of M/s. SAEL Solar MHP1 Private Limited, Village T Koduru, Sirigepalle Andhra Pradesh
(d)	Length of Power line:	1.87 kms
(e)	Operating Voltage	33 kV
(f)	Number of circuits	1
2		
(a)	Names of parallel telecom lines:	As per Annexure-II
(b)	Length of parallelism:	As per Annexure-II
3	Average value of earth resistivity in the region:	5,000 ohm-cms
4	Whether LF test necessary:	No
5	Special conditions subject to which this certificate will be effective	As per Annexure-II

Annexure II

Name of the Power Line: 33 KV XLPE, AL Ar UG cable (3CX300 Sq.mm) from proposed 33/220 KV Pooling Substation of 300 MW Solar Power Project of M/s. SAEL Solar MHP1 Private Limited, Village T Koduru, Sirigepalle to Proposed Solar FD#08comprising of 1X 0.66/33 kV,13.2 MVA Inverter Duty Transformers of (ICR 26) located at 300 MW Solar Power Project of M/s. SAEL Solar MHP1 Private Limited, Village T Koduru, Sirigepalle Andhra Pradesh (Length: 1.87 kms)

1. EPR zone for the proposed substation is mentioned below:

Name of the proposed Substation	Half diagonal distance, D/2 (mts)	Fault Current I (KA)	Resistance of Earth Mat, R (ohms)	d (mts) at 430 V	d (mts) at 650 V	d (mts) at 7kV	d (mts) at 10kV
33/220 KV Pooling Substation of 300 MW Solar Power Project of M/s. SAEL Solar MHP1 Private Limited, Village T Koduru, Sirigepalle	63.74	40	0.26	1478	956	31	3

Telecom authorities to ensure the protection of telecom equipment and personnel within the EPR zone of the proposed substation at the cost of the later entrant.

सत्यमेव जयते

भारत सरकार
Government of India
विद्युत मंत्रालय
Ministry of Power
केन्द्रीय विद्युत प्राधिकरण
Central Electricity Authority
विद्युत प्रणाली संचार विकास प्रभाग
Power System Communication Development Division
****

On behalf of
Central Level Power & Telecommunication Co-ordination Committee

No: As assigned **Date:** As assigned

CEA Case No.: AND-803-F9

Provisional Certificate of Approval for the Route of Extra High Tension (EHT) Power Line / Telecommunication Line

Provisional approval of the Central Level Power & Telecommunication Co-ordination Committee is hereby conveyed for **60 days** from the date of signing to the route of **33 KV XLPE, AL Ar UG cable (3CX300 Sq.mm) from proposed 33/220 KV Pooling Substation of 300 MW Solar Power Project of M/s. SAEL Solar MHP1 Private Limited, Village T Koduru, Sirigepalle to Proposed Solar FD#09 comprising of 2 X 0.66/33 kV,13.2 MVA Inverter Duty Transformers of (ICR 16,19) located at 300 MW Solar Power Project of M/s. SAEL Solar MHP1 Private Limited, Village T Koduru, Sirigepalle Andhra Pradesh (Length: 6.562 kms)** particulars of which are given in Annexure I.

The approval is for the route only and is subject to the following conditions.

1. The approval is based on the Power system/ Telecom system conditions' details as reported by the Power supply authority/ Telecom authority at present. Any changes either to Transmission line or the Power system or the paralleling telecommunication lines which are likely to alter the low frequency induction from the estimated at present should be reported to PTCC for its prior approval.
2. The Power and Telecommunication authorities shall be required to adopt such measures as may be recommended by PTCC for counteracting any interference that might arise when the EHT line is in normal operation.
3. Each crossing should satisfy the conditions as laid down in Para 6 -10 of PTCC Code of Practice for crossings.
4. The angle of crossing shall be 90 degrees but in no case less than 60 degrees.
5. The power line shall be equipped with protective switchgear such that the duration of earth current shall be as short as possible but never exceeding 0.5 seconds.

6. The power line shall be energized within a mutually acceptable time limit after obtaining a Certificate from the concerned Telecom and/or Railway authority regarding completion of provision of all protective measures as recommended by PTCC and also under specific clearance from the Telecom and/or Railway authority maintaining the Telecom system.
7. The energization of Extra High Tension power lines would not be held up for want of installation of GD tubes on telecom lines when the induced voltages are in the range of 430 to 650 V.
8. The telecom line shall be commissioned within a mutually acceptable time after completing provision of all protective measures as recommended by PTCC and also after obtaining specific clearance from the Power authority, if certain measures as recommended by PTCC are to be carried out on power system.
9. The later entrant in the field shall bear the entire cost of providing GD tubes and their fitting as recommended by PTCC, including 15% spares and/or any other protective measures as recommended by PTCC.
10. The route approval shall be subject to special conditions as laid down under Annexure II.

Signed by Suman Kumar Maharana
Date: 09-09-2025 22:01:00
Chief Engineer

1.	M/s SAEL Solar MHP1 Private Limited	3rd Floor, Worldmark-1, Aerocity, New Delhi – 110 037

Annexure I

1		
(a)	Name of the Power Supply authority seeking approval	M/s SAEL Solar MHP1 Private Limited
(b)	Reference number & date:	SAEL/PTCC/MHP-1/TL/33KV/300MW/FD#1toFD#17/08/25 E-mail dated 09.09.2025
(c)	Name of the Power line	33 KV XLPE, AL Ar UG cable (3CX300 Sq.mm) from proposed 33/220 KV Pooling Substation of 300 MW Solar Power Project of M/s. SAEL Solar MHP1 Private Limited, Village T Koduru, Sirigepalle to Proposed Solar FD#09 comprising of 2 X 0.66/33 kV,13.2 MVA Inverter Duty Transformers of (ICR 16,19) located at 300 MW Solar Power Project of M/s. SAEL Solar MHP1 Private Limited, Village T Koduru, Sirigepalle Andhra Pradesh
(d)	Length of Power line:	6.562 kms
(e)	Operating Voltage	33 kV
(f)	Number of circuits	1
2		
(a)	Names of parallel telecom lines:	As per Annexure-II
(b)	Length of parallelism:	As per Annexure-II
3	Average value of earth resistivity in the region:	5,000 ohm-cms
4	Whether LF test necessary:	No
5	Special conditions subject to which this certificate will be effective	As per Annexure-II

Annexure II

Name of the Power Line: 33 KV XLPE, AL Ar UG cable (3CX300 Sq.mm) from proposed 33/220 KV Pooling Substation of 300 MW Solar Power Project of M/s. SAEL Solar MHP1 Private Limited, Village T Koduru, Sirigepalle to Proposed Solar FD#09 comprising of 2 X 0.66/33 kV,13.2 MVA Inverter Duty Transformers of (ICR 16,19) located at 300 MW Solar Power Project of M/s. SAEL Solar MHP1 Private Limited, Village T Koduru, Sirigepalle Andhra Pradesh (Length: 6.562 kms)

1. EPR zone for the proposed substation is mentioned below:

Name of the proposed Substation	Half diagonal distance, D/2 (mts)	Fault Current I (KA)	Resistance of Earth Mat, R (ohms)	d (mts) at 430 V	d (mts) at 650 V	d (mts) at 7kV	d (mts) at 10kV
33/220 KV Pooling Substation of 300 MW Solar Power Project of M/s. SAEL Solar MHP1 Private Limited, Village T Koduru, Sirigepalle	63.74	40	0.26	1478	956	31	3

Telecom authorities to ensure the protection of telecom equipment and personnel within the EPR zone of the proposed substation at the cost of the later entrant.

सत्यमेव जयते

भारत सरकार
Government of India
विद्युत मंत्रालय
Ministry of Power
केन्द्रीय विद्युत प्राधिकरण
Central Electricity Authority
विद्युत प्रणाली संचार विकास प्रभाग
Power System Communication Development Division
****

On behalf of
Central Level Power & Telecommunication Co-ordination Committee

No: As assigned **Date:** As assigned

CEA Case No.: AND-803-F10

Provisional Certificate of Approval for the Route of Extra High Tension (EHT) Power Line / Telecommunication Line

Provisional approval of the Central Level Power & Telecommunication Co-ordination Committee is hereby conveyed for **60 days** from the date of signing to the route of **33 KV XLPE, AL Ar UG cable (3CX300 Sq.mm) from proposed 33/220 KV Pooling Substation of 300 MW Solar Power Project of M/s. SAEL Solar MHP1 Private Limited, Village T Koduru, Sirigepalle to Proposed Solar FD#10 comprising of 2 X 0.66/33 kV,13.2 MVA Inverter Duty Transformers of (ICR 12,13) located at 300 MW Solar Power Project of M/s. SAEL Solar MHP1 Private Limited, Village T Koduru, Sirigepalle Andhra Pradesh (Length: 5.676 kms)** particulars of which are given in Annexure I.

The approval is for the route only and is subject to the following conditions.

1. The approval is based on the Power system/ Telecom system conditions' details as reported by the Power supply authority/ Telecom authority at present. Any changes either to Transmission line or the Power system or the paralleling telecommunication lines which are likely to alter the low frequency induction from the estimated at present should be reported to PTCC for its prior approval.
2. The Power and Telecommunication authorities shall be required to adopt such measures as may be recommended by PTCC for counteracting any interference that might arise when the EHT line is in normal operation.
3. Each crossing should satisfy the conditions as laid down in Para 6 -10 of PTCC Code of Practice for crossings.
4. The angle of crossing shall be 90 degrees but in no case less than 60 degrees.
5. The power line shall be equipped with protective switchgear such that the duration of earth current shall be as short as possible but never exceeding 0.5 seconds.

6. The power line shall be energized within a mutually acceptable time limit after obtaining a Certificate from the concerned Telecom and/or Railway authority regarding completion of provision of all protective measures as recommended by PTCC and also under specific clearance from the Telecom and/or Railway authority maintaining the Telecom system.
7. The energization of Extra High Tension power lines would not be held up for want of installation of GD tubes on telecom lines when the induced voltages are in the range of 430 to 650 V.
8. The telecom line shall be commissioned within a mutually acceptable time after completing provision of all protective measures as recommended by PTCC and also after obtaining specific clearance from the Power authority, if certain measures as recommended by PTCC are to be carried out on power system.
9. The later entrant in the field shall bear the entire cost of providing GD tubes and their fitting as recommended by PTCC, including 15% spares and/or any other protective measures as recommended by PTCC.
10. The route approval shall be subject to special conditions as laid down under Annexure II.

Signed by Suman Kumar Maharana
Date: 09-09-2025 21:55:57
Chief Engineer

1.	M/s SAEL Solar MHP1 Private Limited	3rd Floor, Worldmark-1, Aerocity, New Delhi – 110 037

Annexure I

1		
(a)	Name of the Power Supply authority seeking approval	M/s SAEL Solar MHP1 Private Limited
(b)	Reference number & date:	SAEL/PTCC/MHP-1/TL/33KV/300MW/FD#1toFD#17/08/25 E-mail dated 09.09.2025
(c)	Name of the Power line	33 KV XLPE, AL Ar UG cable (3CX300 Sq.mm) from proposed 33/220 KV Pooling Substation of 300 MW Solar Power Project of M/s. SAEL Solar MHP1 Private Limited, Village T Koduru, Sirigepalle to Proposed Solar FD#10 comprising of 2 X 0.66/33 kV,13.2 MVA Inverter Duty Transformers of (ICR 12,13) located at 300 MW Solar Power Project of M/s. SAEL Solar MHP1 Private Limited, Village T Koduru, Sirigepalle Andhra Pradesh
(d)	Length of Power line:	5.676 kms
(e)	Operating Voltage	33 kV
(f)	Number of circuits	1
2		
(a)	Names of parallel telecom lines:	As per Annexure-II
(b)	Length of parallelism:	As per Annexure-II
3	Average value of earth resistivity in the region:	5,000 ohm-cms
4	Whether LF test necessary:	No
5	Special conditions subject to which this certificate will be effective	As per Annexure-II

Annexure II

Name of the Power Line: 33 KV XLPE, AL Ar UG cable (3CX300 Sq.mm) from proposed 33/220 KV Pooling Substation of 300 MW Solar Power Project of M/s. SAEL Solar MHP1 Private Limited, Village T Koduru, Sirigepalle to Proposed Solar FD#10 comprising of 2 X 0.66/33 kV,13.2 MVA Inverter Duty Transformers of (ICR 12,13) located at 300 MW Solar Power Project of M/s. SAEL Solar MHP1 Private Limited, Village T Koduru, Sirigepalle Andhra Pradesh (Length: 5.676 kms)

1. EPR zone for the proposed substation is mentioned below:

Name of the proposed Substation	Half diagonal distance, D/2 (mts)	Fault Current I (KA)	Resistance of Earth Mat, R (ohms)	d (mts) at 430 V	d (mts) at 650 V	d (mts) at 7kV	d (mts) at 10kV
33/220 KV Pooling Substation of 300 MW Solar Power Project of M/s. SAEL Solar MHP1 Private Limited, Village T Koduru, Sirigepalle	63.74	40	0.26	1478	956	31	3

Telecom authorities to ensure the protection of telecom equipment and personnel within the EPR zone of the proposed substation at the cost of the later entrant.

सत्यमेव जयते

भारत सरकार
Government of India
विद्युत मंत्रालय
Ministry of Power
केन्द्रीय विद्युत प्राधिकरण
Central Electricity Authority
विद्युत प्रणाली संचार विकास प्रभाग
Power System Communication Development Division
****

On behalf of
Central Level Power & Telecommunication Co-ordination Committee

No: As assigned **Date:** As assigned

CEA Case No.: AND-803-F11

Provisional Certificate of Approval for the Route of Extra High Tension (EHT) Power Line / Telecommunication Line

Provisional approval of the Central Level Power & Telecommunication Co-ordination Committee is hereby conveyed for **60 days** from the date of signing to the route of **33 KV XLPE, AL Ar UG cable (3CX300 Sq.mm) from proposed 33/220 KV Pooling Substation of 300 MW Solar Power Project of M/s. SAEL Solar MHP1 Private Limited, Village T Koduru, Sirigepalle to Proposed Solar FD#11 comprising of 2 X 0.66/33 kV,13.2 MVA Inverter Duty Transformers of (ICR 2,9) located at 300 MW Solar Power Project of M/s. SAEL Solar MHP1 Private Limited, Village T Koduru, Sirigepalle Andhra Pradesh (Length: 2.816 kms)** particulars of which are given in Annexure I.

The approval is for the route only and is subject to the following conditions.

1. The approval is based on the Power system/ Telecom system conditions' details as reported by the Power supply authority/ Telecom authority at present. Any changes either to Transmission line or the Power system or the paralleling telecommunication lines which are likely to alter the low frequency induction from the estimated at present should be reported to PTCC for its prior approval.
2. The Power and Telecommunication authorities shall be required to adopt such measures as may be recommended by PTCC for counteracting any interference that might arise when the EHT line is in normal operation.
3. Each crossing should satisfy the conditions as laid down in Para 6 -10 of PTCC Code of Practice for crossings.
4. The angle of crossing shall be 90 degrees but in no case less than 60 degrees.
5. The power line shall be equipped with protective switchgear such that the duration of earth current shall be as short as possible but never exceeding 0.5 seconds.

6. The power line shall be energized within a mutually acceptable time limit after obtaining a Certificate from the concerned Telecom and/or Railway authority regarding completion of provision of all protective measures as recommended by PTCC and also under specific clearance from the Telecom and/or Railway authority maintaining the Telecom system.
7. The energization of Extra High Tension power lines would not be held up for want of installation of GD tubes on telecom lines when the induced voltages are in the range of 430 to 650 V.
8. The telecom line shall be commissioned within a mutually acceptable time after completing provision of all protective measures as recommended by PTCC and also after obtaining specific clearance from the Power authority, if certain measures as recommended by PTCC are to be carried out on power system.
9. The later entrant in the field shall bear the entire cost of providing GD tubes and their fitting as recommended by PTCC, including 15% spares and/or any other protective measures as recommended by PTCC.
10. The route approval shall be subject to special conditions as laid down under Annexure II.

Signed by Suman Kumar Maharana
Date: 09-09-2025 21:53:01
Chief Engineer

1.	M/s SAEL Solar MHP1 Private Limited	3rd Floor, Worldmark-1, Aerocity, New Delhi – 110 037

Annexure I

1		
(a)	Name of the Power Supply authority seeking approval	M/s SAEL Solar MHP1 Private Limited
(b)	Reference number & date:	SAEL/PTCC/MHP-1/TL/33KV/300MW/FD#1toFD#17/08/25 E-mail dated 09.09.2025
(c)	Name of the Power line	33 KV XLPE, AL Ar UG cable (3CX300 Sq.mm) from proposed 33/220 KV Pooling Substation of 300 MW Solar Power Project of M/s. SAEL Solar MHP1 Private Limited, Village T Koduru, Sirigepalle to Proposed Solar FD#11 comprising of 2 X 0.66/33 kV,13.2 MVA Inverter Duty Transformers of (ICR 2,9) located at 300 MW Solar Power Project of M/s. SAEL Solar MHP1 Private Limited, Village T Koduru, Sirigepalle Andhra Pradesh
(d)	Length of Power line:	2.816 kms
(e)	Operating Voltage	33 kV
(f)	Number of circuits	1
2		
(a)	Names of parallel telecom lines:	As per Annexure-II
(b)	Length of parallelism:	As per Annexure-II
3	Average value of earth resistivity in the region:	5,000 ohm-cms
4	Whether LF test necessary:	No
5	Special conditions subject to which this certificate will be effective	As per Annexure-II

Annexure II

Name of the Power Line: 33 KV XLPE, AL Ar UG cable (3CX300 Sq.mm) from proposed 33/220 KV Pooling Substation of 300 MW Solar Power Project of M/s. SAEL Solar MHP1 Private Limited, Village T Koduru, Sirigepalle to Proposed Solar FD#11 comprising of 2 X 0.66/33 kV,13.2 MVA Inverter Duty Transformers of (ICR 2,9) located at 300 MW Solar Power Project of M/s. SAEL Solar MHP1 Private Limited, Village T Koduru, Sirigepalle Andhra Pradesh (Length: 2.816 kms)

1. EPR zone for the proposed substation is mentioned below:

Name of the proposed Substation	Half diagonal distance, D/2 (mts)	Fault Current I (KA)	Resistance of Earth Mat, R (ohms)	d (mts) at 430 V	d (mts) at 650 V	d (mts) at 7kV	d (mts) at 10kV
33/220 KV Pooling Substation of 300 MW Solar Power Project of M/s. SAEL Solar MHP1 Private Limited, Village T Koduru, Sirigepalle	63.74	40	0.26	1478	956	31	3

Telecom authorities to ensure the protection of telecom equipment and personnel within the EPR zone of the proposed substation at the cost of the later entrant.

सत्यमेव जयते

भारत सरकार
Government of India
विद्युत मंत्रालय
Ministry of Power
केन्द्रीय विद्युत प्राधिकरण
Central Electricity Authority
विद्युत प्रणाली संचार विकास प्रभाग
Power System Communication Development Division
****

On behalf of
Central Level Power & Telecommunication Co-ordination Committee

No: As assigned **Date:** As assigned

CEA Case No.: AND-803-F12

Provisional Certificate of Approval for the Route of Extra High Tension (EHT) Power Line / Telecommunication Line

Provisional approval of the Central Level Power & Telecommunication Co-ordination Committee is hereby conveyed for **60 days** from the date of signing to the route of **33 KV XLPE, AL Ar UG cable (3CX300 Sq.mm) from proposed 33/220 KV Pooling Substation of 300 MW Solar Power Project of M/s. SAEL Solar MHP1 Private Limited, Village T Koduru, Sirigepalle to Proposed Solar FD#12 comprising of 1 X 0.66/33 kV,13.2 MVA Inverter Duty Transformers of (ICR 17) located at 300 MW Solar Power Project of M/s. SAEL Solar MHP1 Private Limited, Village T Koduru, Sirigepalle Andhra Pradesh (Length: 1.062 kms)** particulars of which are given in Annexure I.

The approval is for the route only and is subject to the following conditions.

1. The approval is based on the Power system/ Telecom system conditions' details as reported by the Power supply authority/ Telecom authority at present. Any changes either to Transmission line or the Power system or the paralleling telecommunication lines which are likely to alter the low frequency induction from the estimated at present should be reported to PTCC for its prior approval.
2. The Power and Telecommunication authorities shall be required to adopt such measures as may be recommended by PTCC for counteracting any interference that might arise when the EHT line is in normal operation.
3. Each crossing should satisfy the conditions as laid down in Para 6 -10 of PTCC Code of Practice for crossings.
4. The angle of crossing shall be 90 degrees but in no case less than 60 degrees.
5. The power line shall be equipped with protective switchgear such that the duration of earth current shall be as short as possible but never exceeding 0.5 seconds.

6. The power line shall be energized within a mutually acceptable time limit after obtaining a Certificate from the concerned Telecom and/or Railway authority regarding completion of provision of all protective measures as recommended by PTCC and also under specific clearance from the Telecom and/or Railway authority maintaining the Telecom system.
7. The energization of Extra High Tension power lines would not be held up for want of installation of GD tubes on telecom lines when the induced voltages are in the range of 430 to 650 V.
8. The telecom line shall be commissioned within a mutually acceptable time after completing provision of all protective measures as recommended by PTCC and also after obtaining specific clearance from the Power authority, if certain measures as recommended by PTCC are to be carried out on power system.
9. The later entrant in the field shall bear the entire cost of providing GD tubes and their fitting as recommended by PTCC, including 15% spares and/or any other protective measures as recommended by PTCC.
10. The route approval shall be subject to special conditions as laid down under Annexure II.

Signed by Suman Kumar Maharana
Date: 09-09-2025 21:50:52
Chief Engineer

1.	M/s SAEL Solar MHP1 Private Limited	3rd Floor, Worldmark-1, Aerocity, New Delhi – 110 037

Annexure I

1		
(a)	Name of the Power Supply authority seeking approval	M/s SAEL Solar MHP1 Private Limited
(b)	Reference number & date:	SAEL/PTCC/MHP-1/TL/33KV/300MW/FD#1toFD#17/08/25 E-mail dated 09.09.2025
(c)	Name of the Power line	33 KV XLPE, AL Ar UG cable (3CX300 Sq.mm) from proposed 33/220 KV Pooling Substation of 300 MW Solar Power Project of M/s. SAEL Solar MHP1 Private Limited, Village T Koduru, Sirigepalle to Proposed Solar FD#12 comprising of 1 X 0.66/33 kV,13.2 MVA Inverter Duty Transformers of (ICR 17) located at 300 MW Solar Power Project of M/s. SAEL Solar MHP1 Private Limited, Village T Koduru, Sirigepalle Andhra Pradesh
(d)	Length of Power line:	1.062 kms
(e)	Operating Voltage	33 kV
(f)	Number of circuits	1
2		
(a)	Names of parallel telecom lines:	As per Annexure-II
(b)	Length of parallelism:	As per Annexure-II
3	Average value of earth resistivity in the region:	5,000 ohm-cms
4	Whether LF test necessary:	No
5	Special conditions subject to which this certificate will be effective	As per Annexure-II

Annexure II

Name of the Power Line: 33 KV XLPE, AL Ar UG cable (3CX300 Sq.mm) from proposed 33/220 KV Pooling Substation of 300 MW Solar Power Project of M/s. SAEL Solar MHP1 Private Limited, Village T Koduru, Sirigepalle to Proposed Solar FD#12 comprising of 1 X 0.66/33 kV,13.2 MVA Inverter Duty Transformers of (ICR 17) located at 300 MW Solar Power Project of M/s. SAEL Solar MHP1 Private Limited, Village T Koduru, Sirigepalle Andhra Pradesh (Length: 1.062 kms)

1. EPR zone for the proposed substation is mentioned below:

Name of the proposed Substation	Half diagonal distance, D/2 (mts)	Fault Current I (KA)	Resistance of Earth Mat, R (ohms)	d (mts) at 430 V	d (mts) at 650 V	d (mts) at 7kV	d (mts) at 10kV
33/220 KV Pooling Substation of 300 MW Solar Power Project of M/s. SAEL Solar MHP1 Private Limited, Village T Koduru, Sirigepalle	63.74	40	0.26	1478	956	31	3

Telecom authorities to ensure the protection of telecom equipment and personnel within the EPR zone of the proposed substation at the cost of the later entrant.

सत्यमेव जयते

भारत सरकार
Government of India
विद्युत मंत्रालय
Ministry of Power
केन्द्रीय विद्युत प्राधिकरण
Central Electricity Authority
विद्युत प्रणाली संचार विकास प्रभाग
Power System Communication Development Division
****

On behalf of
Central Level Power & Telecommunication Co-ordination Committee

No: As assigned **Date:** As assigned

CEA Case No.: AND-803-F13

Provisional Certificate of Approval for the Route of Extra High Tension (EHT) Power Line / Telecommunication Line

Provisional approval of the Central Level Power & Telecommunication Co-ordination Committee is hereby conveyed for **60 days** from the date of signing to the route of **33 KV XLPE, AL Ar UG cable (3CX300 Sq.mm) from proposed 33/220 KV Pooling Substation of 300 MW Solar Power Project of M/s. SAEL Solar MHP1 Private Limited, Village T Koduru, Sirigepalle to Proposed Solar FD#13comprising of 1 X 0.66/33 kV,13.2 MVA Inverter Duty Transformers of (ICR 1) located at 300 MW Solar Power Project of M/s. SAEL Solar MHP1 Private Limited, Village T Koduru, Sirigepalle Andhra Pradesh (Length: 0.077 kms)** particulars of which are given in Annexure I.

The approval is for the route only and is subject to the following conditions.

1. The approval is based on the Power system/ Telecom system conditions' details as reported by the Power supply authority/ Telecom authority at present. Any changes either to Transmission line or the Power system or the paralleling telecommunication lines which are likely to alter the low frequency induction from the estimated at present should be reported to PTCC for its prior approval.
2. The Power and Telecommunication authorities shall be required to adopt such measures as may be recommended by PTCC for counteracting any interference that might arise when the EHT line is in normal operation.
3. Each crossing should satisfy the conditions as laid down in Para 6 -10 of PTCC Code of Practice for crossings.
4. The angle of crossing shall be 90 degrees but in no case less than 60 degrees.
5. The power line shall be equipped with protective switchgear such that the duration of earth current shall be as short as possible but never exceeding 0.5 seconds.

6. The power line shall be energized within a mutually acceptable time limit after obtaining a Certificate from the concerned Telecom and/or Railway authority regarding completion of provision of all protective measures as recommended by PTCC and also under specific clearance from the Telecom and/or Railway authority maintaining the Telecom system.
7. The energization of Extra High Tension power lines would not be held up for want of installation of GD tubes on telecom lines when the induced voltages are in the range of 430 to 650 V.
8. The telecom line shall be commissioned within a mutually acceptable time after completing provision of all protective measures as recommended by PTCC and also after obtaining specific clearance from the Power authority, if certain measures as recommended by PTCC are to be carried out on power system.
9. The later entrant in the field shall bear the entire cost of providing GD tubes and their fitting as recommended by PTCC, including 15% spares and/or any other protective measures as recommended by PTCC.
10. The route approval shall be subject to special conditions as laid down under Annexure II.

Signed by Suman Kumar Maharana
Date: 09-09-2025 21:47:16
Chief Engineer

1.	M/s SAEL Solar MHP1 Private Limited	3rd Floor, Worldmark-1, Aerocity, New Delhi – 110 037

Annexure I

1		
(a)	Name of the Power Supply authority seeking approval	M/s SAEL Solar MHP1 Private Limited
(b)	Reference number & date:	SAEL/PTCC/MHP-1/TL/33KV/300MW/FD#1toFD#17/08/25 E-mail dated 09.09.2025
(c)	Name of the Power line	33 KV XLPE, AL Ar UG cable (3CX300 Sq.mm) from proposed 33/220 KV Pooling Substation of 300 MW Solar Power Project of M/s. SAEL Solar MHP1 Private Limited, Village T Koduru, Sirigepalle to Proposed Solar FD#13comprising of 1 X 0.66/33 kV,13.2 MVA Inverter Duty Transformers of (ICR 1) located at 300 MW Solar Power Project of M/s. SAEL Solar MHP1 Private Limited, Village T Koduru, Sirigepalle Andhra Pradesh
(d)	Length of Power line:	0.077 kms
(e)	Operating Voltage	33 kV
(f)	Number of circuits	1
2		
(a)	Names of parallel telecom lines:	As per Annexure-II
(b)	Length of parallelism:	As per Annexure-II
3	Average value of earth resistivity in the region:	5,000 ohm-cms
4	Whether LF test necessary:	No
5	Special conditions subject to which this certificate will be effective	As per Annexure-II

Annexure II

Name of the Power Line: 33 KV XLPE, AL Ar UG cable (3CX300 Sq.mm) from proposed 33/220 KV Pooling Substation of 300 MW Solar Power Project of M/s. SAEL Solar MHP1 Private Limited, Village T Koduru, Sirigepalle to Proposed Solar FD#13comprising of 1 X 0.66/33 kV,13.2 MVA Inverter Duty Transformers of (ICR 1) located at 300 MW Solar Power Project of M/s. SAEL Solar MHP1 Private Limited, Village T Koduru, Sirigepalle Andhra Pradesh (Length: 0.077 kms)

1. EPR zone for the proposed substation is mentioned below:

Name of the proposed Substation	Half diagonal distance, D/2 (mts)	Fault Current I (KA)	Resistance of Earth Mat, R (ohms)	d (mts) at 430 V	d (mts) at 650 V	d (mts) at 7kV	d (mts) at 10kV
33/220 KV Pooling Substation of 300 MW Solar Power Project of M/s. SAEL Solar MHP1 Private Limited, Village T Koduru, Sirigepalle	63.74	40	0.26	1478	956	31	3

Telecom authorities to ensure the protection of telecom equipment and personnel within the EPR zone of the proposed substation at the cost of the later entrant.

सत्यमेव जयते

भारत सरकार
Government of India
विद्युत मंत्रालय
Ministry of Power
केन्द्रीय विद्युत प्राधिकरण
Central Electricity Authority
विद्युत प्रणाली संचार विकास प्रभाग
Power System Communication Development Division
****

On behalf of
Central Level Power & Telecommunication Co-ordination Committee

No: As assigned **Date:** As assigned

CEA Case No.: AND-803-F14

Provisional Certificate of Approval for the Route of Extra High Tension (EHT) Power Line / Telecommunication Line

Provisional approval of the Central Level Power & Telecommunication Co-ordination Committee is hereby conveyed for **60 days** from the date of signing to the route of **33 KV XLPE, AL Ar UG cable (3CX300 Sq.mm) from proposed 33/220 KV Pooling Substation of 300 MW Solar Power Project of M/s. SAEL Solar MHP1 Private Limited, Village T Koduru, Sirigepalle to Proposed Solar FD#14 comprising of 1 X 0.66/33 kV,13.2 MVA Inverter Duty Transformers of (ICR 5) located at 300 MW Solar Power Project of M/s. SAEL Solar MHP1 Private Limited, Village T Koduru, Sirigepalle Andhra Pradesh (Length: 1.656 kms)** particulars of which are given in Annexure I.

The approval is for the route only and is subject to the following conditions.

1. The approval is based on the Power system/ Telecom system conditions' details as reported by the Power supply authority/ Telecom authority at present. Any changes either to Transmission line or the Power system or the paralleling telecommunication lines which are likely to alter the low frequency induction from the estimated at present should be reported to PTCC for its prior approval.
2. The Power and Telecommunication authorities shall be required to adopt such measures as may be recommended by PTCC for counteracting any interference that might arise when the EHT line is in normal operation.
3. Each crossing should satisfy the conditions as laid down in Para 6 -10 of PTCC Code of Practice for crossings.
4. The angle of crossing shall be 90 degrees but in no case less than 60 degrees.
5. The power line shall be equipped with protective switchgear such that the duration of earth current shall be as short as possible but never exceeding 0.5 seconds.

6. The power line shall be energized within a mutually acceptable time limit after obtaining a Certificate from the concerned Telecom and/or Railway authority regarding completion of provision of all protective measures as recommended by PTCC and also under specific clearance from the Telecom and/or Railway authority maintaining the Telecom system.
7. The energization of Extra High Tension power lines would not be held up for want of installation of GD tubes on telecom lines when the induced voltages are in the range of 430 to 650 V.
8. The telecom line shall be commissioned within a mutually acceptable time after completing provision of all protective measures as recommended by PTCC and also after obtaining specific clearance from the Power authority, if certain measures as recommended by PTCC are to be carried out on power system.
9. The later entrant in the field shall bear the entire cost of providing GD tubes and their fitting as recommended by PTCC, including 15% spares and/or any other protective measures as recommended by PTCC.
10. The route approval shall be subject to special conditions as laid down under Annexure II.

Signed by Suman Kumar Maharana
Date: 09-09-2025 21:27:54
Chief Engineer

1.	M/s SAEL Solar MHP1 Private Limited	3rd Floor, Worldmark-1, Aerocity, New Delhi – 110 037

Annexure I

1		
(a)	Name of the Power Supply authority seeking approval	M/s SAEL Solar MHP1 Private Limited
(b)	Reference number & date:	SAEL/PTCC/MHP-1/TL/33KV/300MW/FD#1toFD#17/08/25 E-mail dated 09.09.2025
(c)	Name of the Power line	33 KV XLPE, AL Ar UG cable (3CX300 Sq.mm) from proposed 33/220 KV Pooling Substation of 300 MW Solar Power Project of M/s. SAEL Solar MHP1 Private Limited, Village T Koduru, Sirigepalle to Proposed Solar FD#14 comprising of 1 X 0.66/33 kV,13.2 MVA Inverter Duty Transformers of (ICR 5) located at 300 MW Solar Power Project of M/s. SAEL Solar MHP1 Private Limited, Village T Koduru, Sirigepalle Andhra Pradesh
(d)	Length of Power line:	1.656 kms
(e)	Operating Voltage	33 kV
(f)	Number of circuits	1
2		
(a)	Names of parallel telecom lines:	As per Annexure-II
(b)	Length of parallelism:	As per Annexure-II
3	Average value of earth resistivity in the region:	5,000 ohm-cms
4	Whether LF test necessary:	No
5	Special conditions subject to which this certificate will be effective	As per Annexure-II

Annexure II

Name of the Power Line: 33 KV XLPE, AL Ar UG cable (3CX300 Sq.mm) from proposed 33/220 KV Pooling Substation of 300 MW Solar Power Project of M/s. SAEL Solar MHP1 Private Limited, Village T Koduru, Sirigepalle to Proposed Solar FD#14 comprising of 1 X 0.66/33 kV,13.2 MVA Inverter Duty Transformers of (ICR 5) located at 300 MW Solar Power Project of M/s. SAEL Solar MHP1 Private Limited, Village T Koduru, Sirigepalle Andhra Pradesh (Length: 1.656 kms)

1. EPR zone for the proposed substation is mentioned below:

Name of the proposed Substation	Half diagonal distance, D/2 (mts)	Fault Current I (KA)	Resistance of Earth Mat, R (ohms)	d (mts) at 430 V	d (mts) at 650 V	d (mts) at 7kV	d (mts) at 10kV
33/220 KV Pooling Substation of 300 MW Solar Power Project of M/s. SAEL Solar MHP1 Private Limited, Village T Koduru, Sirigepalle	63.74	40	0.26	1478	956	31	3

Telecom authorities to ensure the protection of telecom equipment and personnel within the EPR zone of the proposed substation at the cost of the later entrant.

सत्यमेव जयते

भारत सरकार
Government of India
विद्युत मंत्रालय
Ministry of Power
केन्द्रीय विद्युत प्राधिकरण
Central Electricity Authority
विद्युत प्रणाली संचार विकास प्रभाग
Power System Communication Development Division
****

On behalf of
Central Level Power & Telecommunication Co-ordination Committee

No: As assigned **Date:** As assigned

CEA Case No.: AND-803-F15

Provisional Certificate of Approval for the Route of Extra High Tension (EHT) Power Line / Telecommunication Line

Provisional approval of the Central Level Power & Telecommunication Co-ordination Committee is hereby conveyed for **60 days** from the date of signing to the route of **33 KV XLPE, AL Ar UG cable (3CX300 Sq.mm) from proposed 33/220 KV Pooling Substation of 300 MW Solar Power Project of M/s. SAEL Solar MHP1 Private Limited, Village T Koduru, Sirigepalle to Proposed Solar FD#15comprising of 2 X 0.66/33 kV,13.2 MVA Inverter Duty Transformers of (ICR 3,20) located at 300 MW Solar Power Project of M/s. SAEL Solar MHP1 Private Limited, Village T Koduru, Sirigepalle Andhra Pradesh (Length: 4.969 kms)** particulars of which are given in Annexure I.

The approval is for the route only and is subject to the following conditions.

1. The approval is based on the Power system/ Telecom system conditions' details as reported by the Power supply authority/ Telecom authority at present. Any changes either to Transmission line or the Power system or the paralleling telecommunication lines which are likely to alter the low frequency induction from the estimated at present should be reported to PTCC for its prior approval.
2. The Power and Telecommunication authorities shall be required to adopt such measures as may be recommended by PTCC for counteracting any interference that might arise when the EHT line is in normal operation.
3. Each crossing should satisfy the conditions as laid down in Para 6 -10 of PTCC Code of Practice for crossings.
4. The angle of crossing shall be 90 degrees but in no case less than 60 degrees.
5. The power line shall be equipped with protective switchgear such that the duration of earth current shall be as short as possible but never exceeding 0.5 seconds.

6. The power line shall be energized within a mutually acceptable time limit after obtaining a Certificate from the concerned Telecom and/or Railway authority regarding completion of provision of all protective measures as recommended by PTCC and also under specific clearance from the Telecom and/or Railway authority maintaining the Telecom system.
7. The energization of Extra High Tension power lines would not be held up for want of installation of GD tubes on telecom lines when the induced voltages are in the range of 430 to 650 V.
8. The telecom line shall be commissioned within a mutually acceptable time after completing provision of all protective measures as recommended by PTCC and also after obtaining specific clearance from the Power authority, if certain measures as recommended by PTCC are to be carried out on power system.
9. The later entrant in the field shall bear the entire cost of providing GD tubes and their fitting as recommended by PTCC, including 15% spares and/or any other protective measures as recommended by PTCC.
10. The route approval shall be subject to special conditions as laid down under Annexure II.

Signed by Suman Kumar Maharana
Date: 09-09-2025 21:24:33
Chief Engineer

1.	M/s SAEL Solar MHP1 Private Limited	3rd Floor, Worldmark-1, Aerocity, New Delhi – 110 037

Annexure I

1		
(a)	Name of the Power Supply authority seeking approval	M/s SAEL Solar MHP1 Private Limited
(b)	Reference number & date:	SAEL/PTCC/MHP-1/TL/33KV/300MW/FD#1toFD#17/08/25 E-mail dated 09.09.2025
(c)	Name of the Power line	33 KV XLPE, AL Ar UG cable (3CX300 Sq.mm) from proposed 33/220 KV Pooling Substation of 300 MW Solar Power Project of M/s. SAEL Solar MHP1 Private Limited, Village T Koduru, Sirigepalle to Proposed Solar FD#15comprising of 2 X 0.66/33 kV,13.2 MVA Inverter Duty Transformers of (ICR 3,20) located at 300 MW Solar Power Project of M/s. SAEL Solar MHP1 Private Limited, Village T Koduru, Sirigepalle Andhra Prades
(d)	Length of Power line:	4.969 kms
(e)	Operating Voltage	33 kV
(f)	Number of circuits	1
2		
(a)	Names of parallel telecom lines:	As per Annexure-II
(b)	Length of parallelism:	As per Annexure-II
3	Average value of earth resistivity in the region:	5,000 ohm-cms
4	Whether LF test necessary:	No
5	Special conditions subject to which this certificate will be effective	As per Annexure-II

Annexure II

Name of the Power Line: 33 KV XLPE, AL Ar UG cable (3CX300 Sq.mm) from proposed 33/220 KV Pooling Substation of 300 MW Solar Power Project of M/s. SAEL Solar MHP1 Private Limited, Village T Koduru, Sirigepalle to Proposed Solar FD#15comprising of 2 X 0.66/33 kV,13.2 MVA Inverter Duty Transformers of (ICR 3,20) located at 300 MW Solar Power Project of M/s. SAEL Solar MHP1 Private Limited, Village T Koduru, Sirigepalle Andhra Pradesh (Length: 4.969 kms)

1. EPR zone for the proposed substation is mentioned below:

Name of the proposed Substation	Half diagonal distance, D/2 (mts)	Fault Current I (KA)	Resistance of Earth Mat, R (ohms)	d (mts) at 430 V	d (mts) at 650 V	d (mts) at 7kV	d (mts) at 10kV
33/220 KV Pooling Substation of 300 MW Solar Power Project of M/s. SAEL Solar MHP1 Private Limited, Village T Koduru, Sirigepalle	63.74	40	0.26	1478	956	31	3

Telecom authorities to ensure the protection of telecom equipment and personnel within the EPR zone of the proposed substation at the cost of the later entrant.

सत्यमेव जयते

भारत सरकार
Government of India
विद्युत मंत्रालय
Ministry of Power
केन्द्रीय विद्युत प्राधिकरण
Central Electricity Authority
विद्युत प्रणाली संचार विकास प्रभाग
Power System Communication Development Division
****

On behalf of
Central Level Power & Telecommunication Co-ordination Committee

No: As assigned **Date:** As assigned

CEA Case No.: AND-803-F16

Provisional Certificate of Approval for the Route of Extra High Tension (EHT) Power Line / Telecommunication Line

Provisional approval of the Central Level Power & Telecommunication Co-ordination Committee is hereby conveyed for **60 days** from the date of signing to the route of **33 KV XLPE, AL Ar UG cable (3CX300 Sq.mm) from proposed 33/220 KV Pooling Substation of 300 MW Solar Power Project of M/s. SAEL Solar MHP1 Private Limited, Village T Koduru, Sirigepalle to Proposed Solar FD#16 comprising of 2 X 0.66/33 kV,13.2 MVA Inverter Duty Transformers of (ICR 6,7) located at 300 MW Solar Power Project of M/s. SAEL Solar MHP1 Private Limited, Village T Koduru, Sirigepalle Andhra Pradesh (Length: 3.339 kms)** particulars of which are given in Annexure I.

The approval is for the route only and is subject to the following conditions.

1. The approval is based on the Power system/ Telecom system conditions' details as reported by the Power supply authority/ Telecom authority at present. Any changes either to Transmission line or the Power system or the paralleling telecommunication lines which are likely to alter the low frequency induction from the estimated at present should be reported to PTCC for its prior approval.
2. The Power and Telecommunication authorities shall be required to adopt such measures as may be recommended by PTCC for counteracting any interference that might arise when the EHT line is in normal operation.
3. Each crossing should satisfy the conditions as laid down in Para 6 -10 of PTCC Code of Practice for crossings.
4. The angle of crossing shall be 90 degrees but in no case less than 60 degrees.
5. The power line shall be equipped with protective switchgear such that the duration of earth current shall be as short as possible but never exceeding 0.5 seconds.

6. The power line shall be energized within a mutually acceptable time limit after obtaining a Certificate from the concerned Telecom and/or Railway authority regarding completion of provision of all protective measures as recommended by PTCC and also under specific clearance from the Telecom and/or Railway authority maintaining the Telecom system.
7. The energization of Extra High Tension power lines would not be held up for want of installation of GD tubes on telecom lines when the induced voltages are in the range of 430 to 650 V.
8. The telecom line shall be commissioned within a mutually acceptable time after completing provision of all protective measures as recommended by PTCC and also after obtaining specific clearance from the Power authority, if certain measures as recommended by PTCC are to be carried out on power system.
9. The later entrant in the field shall bear the entire cost of providing GD tubes and their fitting as recommended by PTCC, including 15% spares and/or any other protective measures as recommended by PTCC.
10. The route approval shall be subject to special conditions as laid down under Annexure II.

Signed by Suman Kumar Maharana
Date: 09-09-2025 21:12:48
Chief Engineer

1.	M/s SAEL Solar MHP1 Private Limited	3rd Floor, Worldmark-1, Aerocity, New Delhi – 110 037

Annexure I

1		
(a)	Name of the Power Supply authority seeking approval	M/s SAEL Solar MHP1 Private Limited
(b)	Reference number & date:	SAEL/PTCC/MHP-1/TL/33KV/300MW/FD#1toFD#17/08/25 E-mail dated 09.09.2025
(c)	Name of the Power line	33 KV XLPE, AL Ar UG cable (3CX300 Sq.mm) from proposed 33/220 KV Pooling Substation of 300 MW Solar Power Project of M/s. SAEL Solar MHP1 Private Limited, Village T Koduru, Sirigepalle to Proposed Solar FD#16 comprising of 2 X 0.66/33 kV,13.2 MVA Inverter Duty Transformers of (ICR 6,7) located at 300 MW Solar Power Project of M/s. SAEL Solar MHP1 Private Limited, Village T Koduru, Sirigepalle Andhra Pradesh
(d)	Length of Power line:	3.339 kms
(e)	Operating Voltage	33 kV
(f)	Number of circuits	1
2		
(a)	Names of parallel telecom lines:	As per Annexure-II
(b)	Length of parallelism:	As per Annexure-II
3	Average value of earth resistivity in the region:	5,000 ohm-cms
4	Whether LF test necessary:	No
5	Special conditions subject to which this certificate will be effective	As per Annexure-II

Annexure II

Name of the Power Line: 33 KV XLPE, AL Ar UG cable (3CX300 Sq.mm) from proposed 33/220 KV Pooling Substation of 300 MW Solar Power Project of M/s. SAEL Solar MHP1 Private Limited, Village T Koduru, Sirigepalle to Proposed Solar FD#16 comprising of 2 X 0.66/33 kV,13.2 MVA Inverter Duty Transformers of (ICR 6,7) located at 300 MW Solar Power Project of M/s. SAEL Solar MHP1 Private Limited, Village T Koduru, Sirigepalle Andhra Pradesh (Length: 3.339 kms)

1. EPR zone for the proposed substation is mentioned below:

Name of the proposed Substation	Half diagonal distance, D/2 (mts)	Fault Current I (KA)	Resistance of Earth Mat, R (ohms)	d (mts) at 430 V	d (mts) at 650 V	d (mts) at 7kV	d (mts) at 10kV
33/220 KV Pooling Substation of 300 MW Solar Power Project of M/s. SAEL Solar MHP1 Private Limited, Village T Koduru, Sirigepalle	63.74	40	0.26	1478	956	31	3

Telecom authorities to ensure the protection of telecom equipment and personnel within the EPR zone of the proposed substation at the cost of the later entrant.

सत्यमेव जयते

भारत सरकार
Government of India
विद्युत मंत्रालय
Ministry of Power
केन्द्रीय विद्युत प्राधिकरण
Central Electricity Authority
विद्युत प्रणाली संचार विकास प्रभाग
Power System Communication Development Division
****

On behalf of
Central Level Power & Telecommunication Co-ordination Committee

No: As assigned **Date:** As assigned

CEA Case No.: AND-803-F17

Provisional Certificate of Approval for the Route of Extra High Tension (EHT) Power Line / Telecommunication Line

Provisional approval of the Central Level Power & Telecommunication Co-ordination Committee is hereby conveyed for **60 days** from the date of signing to the route of **33 KV XLPE, AL Ar UG cable (3CX300 Sq.mm) from proposed 33/220 KV Pooling Substation of 300 MW Solar Power Project of M/s. SAEL Solar MHP1 Private Limited, Village T Koduru, Sirigepalle to Proposed Solar FD#17 comprising of 2 X 0.66/33 kV,13.2 MVA Inverter Duty Transformers of (ICR 4,29) located at 300 MW Solar Power Project of M/s. SAEL Solar MHP1 Private Limited, Village T Koduru, Sirigepalle Andhra Pradesh (Length: 7.071 kms)** particulars of which are given in Annexure I.

The approval is for the route only and is subject to the following conditions.

1. The approval is based on the Power system/ Telecom system conditions' details as reported by the Power supply authority/ Telecom authority at present. Any changes either to Transmission line or the Power system or the paralleling telecommunication lines which are likely to alter the low frequency induction from the estimated at present should be reported to PTCC for its prior approval.
2. The Power and Telecommunication authorities shall be required to adopt such measures as may be recommended by PTCC for counteracting any interference that might arise when the EHT line is in normal operation.
3. Each crossing should satisfy the conditions as laid down in Para 6 -10 of PTCC Code of Practice for crossings.
4. The angle of crossing shall be 90 degrees but in no case less than 60 degrees.
5. The power line shall be equipped with protective switchgear such that the duration of earth current shall be as short as possible but never exceeding 0.5 seconds.

6. The power line shall be energized within a mutually acceptable time limit after obtaining a Certificate from the concerned Telecom and/or Railway authority regarding completion of provision of all protective measures as recommended by PTCC and also under specific clearance from the Telecom and/or Railway authority maintaining the Telecom system.
7. The energization of Extra High Tension power lines would not be held up for want of installation of GD tubes on telecom lines when the induced voltages are in the range of 430 to 650 V.
8. The telecom line shall be commissioned within a mutually acceptable time after completing provision of all protective measures as recommended by PTCC and also after obtaining specific clearance from the Power authority, if certain measures as recommended by PTCC are to be carried out on power system.
9. The later entrant in the field shall bear the entire cost of providing GD tubes and their fitting as recommended by PTCC, including 15% spares and/or any other protective measures as recommended by PTCC.
10. The route approval shall be subject to special conditions as laid down under Annexure II.

Signed by Suman Kumar Maharana
Date: 09-09-2025 20:53:31
Chief Engineer

1.	M/s SAEL Solar MHP1 Private Limited	3rd Floor, Worldmark-1, Aerocity, New Delhi – 110 037

Annexure I

1		
(a)	Name of the Power Supply authority seeking approval	M/s SAEL Solar MHP1 Private Limited
(b)	Reference number & date:	SAEL/PTCC/MHP-1/TL/33KV/300MW/FD#1toFD#17/08/25 E-mail dated 09.09.2025
(c)	Name of the Power line	33 KV XLPE, AL Ar UG cable (3CX300 Sq.mm) from proposed 33/220 KV Pooling Substation of 300 MW Solar Power Project of M/s. SAEL Solar MHP1 Private Limited, Village T Koduru, Sirigepalle to Proposed Solar FD#17 comprising of 2 X 0.66/33 kV,13.2 MVA Inverter Duty Transformers of (ICR 4,29) located at 300 MW Solar Power Project of M/s. SAEL Solar MHP1 Private Limited, Village T Koduru, Sirigepalle Andhra Pradesh
(d)	Length of Power line:	7.071 kms
(e)	Operating Voltage	33 kV
(f)	Number of circuits	1
2		
(a)	Names of parallel telecom lines:	As per Annexure-II
(b)	Length of parallelism:	As per Annexure-II
3	Average value of earth resistivity in the region:	5,000 ohm-cms
4	Whether LF test necessary:	No
5	Special conditions subject to which this certificate will be effective	As per Annexure-II

Annexure II

Name of the Power Line: 33 KV XLPE, AL Ar UG cable (3CX300 Sq.mm) from proposed 33/220 KV Pooling Substation of 300 MW Solar Power Project of M/s. SAEL Solar MHP1 Private Limited, Village T Koduru, Sirigepalle to Proposed Solar FD#17 comprising of 2 X 0.66/33 kV,13.2 MVA Inverter Duty Transformers of (ICR 4,29) located at 300 MW Solar Power Project of M/s. SAEL Solar MHP1 Private Limited, Village T Koduru, Sirigepalle, Andhra Pradesh (Length: 7.071 kms)

1. EPR zone for the proposed substation is mentioned below:

Name of the proposed Substation	Half diagonal distance, D/2 (mts)	Fault Current I (KA)	Resistance of Earth Mat, R (ohms)	d (mts) at 430 V	d (mts) at 650 V	d (mts) at 7kV	d (mts) at 10kV
33/220 KV Pooling Substation of 300 MW Solar Power Project of M/s. SAEL Solar MHP1 Private Limited, Village T Koduru, Sirigepalle	63.74	40	0.26	1478	956	31	3

Telecom authorities to ensure the protection of telecom equipment and personnel within the EPR zone of the proposed substation at the cost of the later entrant.